SEQUENCE LISTING

(1) GENERAL INFORMATION APPLICANT: Rakoczy et al. (i) HYALURONIC ACID AS DNA CARRIER FOR TITLE OF THE INVENTION: GENE THERAPY AND VEGF ANTISENSE DNA TO TREAT ABNORMAL RETINAL VASCULARIZATION (iii) NUMBER OF SEQUENCES:
(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: 11 ARTER & HADDEN (B) STREET: (C) CITY: 725 South Figueroa St, # 2400 Los Angeles (D) STATE: CA (E) COUNTRY: USA 90071 (F) ZIR: COMPUTER READABLE FORM: (v) (A) MED UM TYPE: Diskette IBM Compatible (B) COMPUTER: (C) OPERATING SYSTEM: (D) SOFTWARE: DOS FastSEO for Windows Version 2.0 (vi) CURRENT APPLICATION DATA: (A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION: USSN 09/065,082 4-23-1999 (vii) PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: PCT AU96/00664 10-22-1996 (viii) ATTORNEY AGENT INFORMATION: (A) NAME: Amzel, Viviana (B) REGISTRAT ON NUMBER: (C) REFERENCE POCKET NUMBER: 30,930 EPI-109 (ix) TELECOMMUNACATION INFORMATION: 213-430-3520 (A) TELEPHONE: (B) TELEFAX: 213-617-9255 (C) TELEX: (2) INFORMATION FOR SEQ ID NO:1: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: stingle (D) TOPOLOGY: linea (ii) MOLECULE TYPE: dDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: AGGAGAGCAG AAGTCCCAT 19 (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTER ISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION SEQ ID NO:2: CGTCAGAGAG CAACATCAC (2) INFORMATION FOR SEQ 10 NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 77 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: CCAGACTCCA CAGTGCATAC GTGGGCTCCA ACAGGTCCTC TTCCCTCCCA 50 GTCACTGACT AACCCCGGAA CCACACA 77 ;

> (2) INFORMATION FOR SEQ ID NO ₹4: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 130 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	50
CCTGTCCCCG CCCCCCCCTT TTTTTTAAA AGTCGGCTGG TAGCGGGGAG	100
GATCGCGGAG GCTTGGGGGA GCCGGGTAGC	130
(2) INFORMATION FOR SEQ ID NO:5: (i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 60 base pairs	
(B) TYPE: pucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
CTGACGGAGA GACAGACAGA CACCGCCCCC AGCCCCAGCT ACCACCTCCT	50
ccccecce	60
(2) INFORMATION FOR SEQ ID NO:6:	f
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 8 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	F.A.
TGCGCAGACA GTGCTCCAGC CGCGCCCCT CCCCAGGCCC TGGCCCGGGC	50 59
CTCGGGCCGG GGAGGAAGA	59
(2) INFORMATION FOR SEQ ID NO:7:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: _ base pairs : (B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: CDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7: AAAGTGTTTT ATATACGGTA CTTATTTAAT ATCCCTTTTT AATTAGAAAT	50
TAAAACAGTT AATTTAATTA AAGATAGGGT TTTTTTTCA	89
	-
(2) INFORMATION FOR SEQ ID NO:8: (i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 62 base pairs	
(B) TYPE: nucleic ac‡d	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear \(\bigc\) (ii) MOLECULE TYPE: CDNA	1
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
TTTTTTAATT TTAATATTTG TTATCATTTA TTTATTGGTG CTACTGTTTA	50
TCCGTAATAA TT	62
(2) INFORMATION FOR SEQ ID NO:9:	
(i) SEQUENCE CHARACTER STICS:	
(A) LENGTH: 72 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
ATACATTTAT ATATATATAT ATTATATATA TATAAAAAATA AATATCTCTA'	50 72
TTTTATATATATATATA TA	12
(2) INFORMATION FOR SEQ D NO:10:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 89 base pairs(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	

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(xi) SEQUENÇE DESCRIPTION: SEQ ID NO:10:	
AAAGTGTTTT ATATACGGTA CTTATTTAAT ATCCCTTTTT AATTAGAAAT	50
TAAAACAGTT AATTTAATTA AAGATAGGGT TTTTTTCA	89
(2) INFORMATION FOR SEQ ID NO:11:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 61 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNE\$S: single	
(D) TOPOLOGY: 1 inear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
TCTTAAAAA AAAAAGCAT TTTGTATTAA AGAATTTAAT TCTGATCTCA	50
AAGCTCCTCT T	61

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